

# Converting Colors

Hex(80203A)

Have a look what the booklet for  
Hex(80203A) contains.

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**Color**

**Hex(80203A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80203A
RGB	128, 32, 58
RGB Percent	50%, 13%, 23%
CMY	0.4980, 0.8745, 0.7725
CMYK	0.00, 0.75, 0.55, 0.50
HSL	344°, 60%, 31%
HSV	344°, 75%, 50%
XYZ	10.1823, 5.9277, 4.6105
YIQ	63.6680, 48.8700, 28.4380

# Conversions

## Conversions Part 2

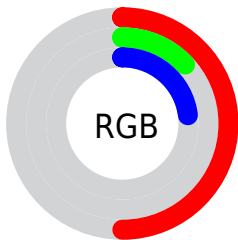
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 32, 58
Decimal	8396858
CIE <sub>Lab</sub>	29.23, 42.51, 8.27
CIE <sub>LCh</sub>	29, 43.312, 11.011
Yxy	5.9277, 0.4914, 0.2861
Android (android.graphics.Color)	4286586938 (0xFF80203A)
YUV	63.6680, -2.7943, 56.4192
Hunter-Lab	24.3469, 32.0450, 5.8153

# Details

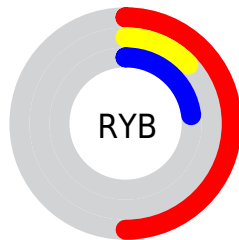
The Hex color **80203A** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **208066**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **B95569**, and **490010** is the 20% darker color. If you saturate the color by 10%, you get **801331**, and if you desaturate by 10%, it is **802D43**.

# Distribution



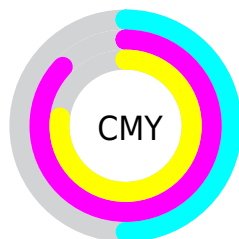
- Red (50%)
- Green (13%)
- Blue (23%)



- Red (50%)
- Yellow (13%)
- Blue (23%)



- Cyan (0%)
- Magenta (75%)
- Yellow (55%)
- Black (50%)



- Cyan (50%)
- Magenta (87%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80203A changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 80203A by changing the saturation by 10% instead.



 80203A

 80203A

FFFFFF

 640025

 B95569

 490010

 D66F82

 310002

 F4899C

 000000

 FFA5B7

 FFC0D2

 FFDDEF

 FFFAFF

 80203A

 80203A

 801331

 802D43

 800627

 803A4D

 800023

 804656

 80535F

 806069

 806D72

 807A7B

 808685

 80938E

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75255B



80203A



792C1A

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80203A



224F0B



004E84

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80203A



208066

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



005370



80203A



00532E

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80203A



494700



005451



004587

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80203A



6D3605



005451



00507F



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80203A



A6808A



652080



543D43



D4D4D4



545454



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80203A



A61139



803520



40393B



800023



000000



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



80203A



A61139



206B80



40393B



800023

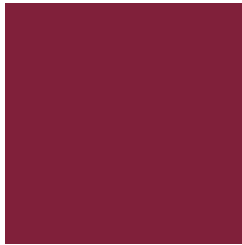


000000



# Previews

## White Background



This preview shows how the Hex color 80203A looks on a white background.

## Color Contrast Check

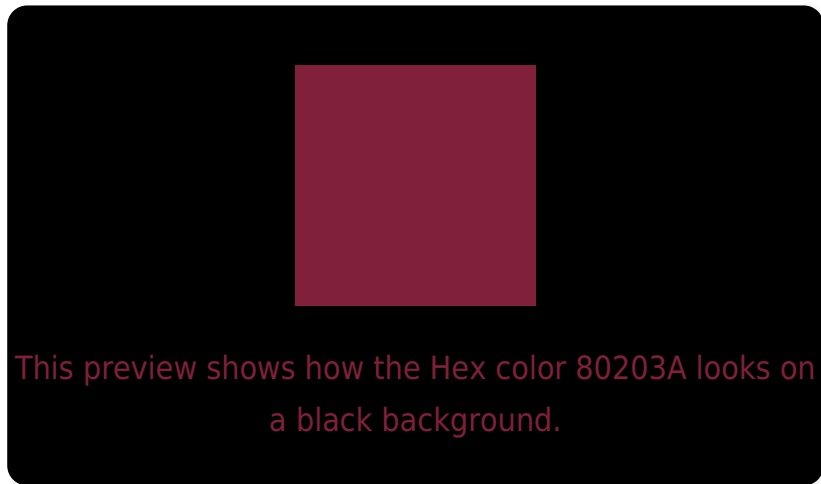
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80203A Background



This preview shows how black text looks on a background with the Hex color 80203A.



This preview shows how white text looks on a background with the Hex color 80203A.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
80203A

**Protanopia**  
46464D

**Deuteranopia**  
534335



**Tritanopia**  
7F2526

# Trichromacy



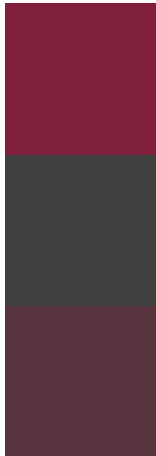
**Original Color**  
80203A

**Protanomaly**  
5B3846

**Deuteranomaly**  
633637

**Tritanomaly**  
7F232D

# Monochromacy



**Original Color**  
80203A

**Achromatopsia**  
404040

**Achromatomaly**  
57343E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80203A is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #80203A looks like.

```
.text, #text, p{  
  color:#80203A  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #80203A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80203A
}
```

## Border

The CSS property to change the border of an element to Hex 80203A is called "border". The border property can be set on classes, ids or directly on the HTML element.

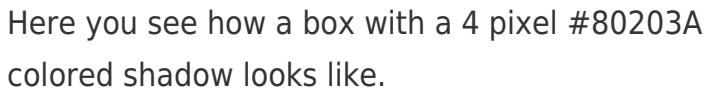
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#80203A }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#80203A }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel #80203A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80203A; -webkit-box-shadow:4px 4px  
4px 4px #80203A; box-shadow:4px 4px 4px  
4px #80203A }
```

# Background

The CSS property to change the background color of an element to Hex 80203A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80203A }
```

If only the background color should be changed can be used:

```
.background{ background-color:#80203A }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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